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NEWS 18 SEP 13 FORIS renamed to SOFIS
NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 20 SEP 17 CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 21 SEP 17 CAplus coverage extended to include traditional medicine patents
NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23 OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 24 OCT 19 BEILSTEIN updated with new compounds
NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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=> FIL CAPLUS
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	1.05	TOTAL SESSION	1.05
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FILE COVERS 1907 - 18 Nov 2007 VOL 147 ISS 22
FILE LAST UPDATED: 16 Nov 2007 (20071116/ED)

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=> E GLYCERALDEHYDE W ACETONIDE

E1	2	GLYCERALDEHYD/BI
E2	15095	GLYCERALDEHYDE/BI
E3	0	--> GLYCERALDEHYDE W ACETONIDE/BI
E4	3	GLYCERALDEHYDE3/BI
E5	1	GLYCERALDEHYDE3PHOATE/BI
E6	2	GLYCERALDEHYDE3PHOSPHATE/BI
E7	1	GLYCERALDEHYDE93PHOSPHATE/BI
E8	2	GLYCERALDEHYDEACETAL/BI
E9	2	GLYCERALDEHYDEACETONIDE/BI
E10	1	GLYCERALDEHYDEANIL/BI
E11	1	GLYCERALDEHYDEARYL/BI
E12	1	GLYCERALDEHYDEDEPHOSPHATE/BI

=> S GLYCERALDEHYDE ACETONIDE
15095 GLYCERALDEHYDE
124 GLYCERALDEHYDES
15153 GLYCERALDEHYDE
(GLYCERALDEHYDE OR GLYCERALDEHYDES)
5407 ACETONIDE

354 ACETONIDES
5554 ACETONIDE
(ACETONIDE OR ACETONIDES)
L1 231 GLYCERALDEHYDE ACETONIDE
(GLYCERALDEHYDE (W) ACETONIDE)

=> S GLYCERALDEHYDE ACETONIDE
15095 GLYCERALDEHYDE
124 GLYCERALDEHYDES
15153 GLYCERALDEHYDE
(GLYCERALDEHYDE OR GLYCERALDEHYDES)
5407 ACETONIDE
354 ACETONIDES
5554 ACETONIDE
(ACETONIDE OR ACETONIDES)
L2 231 GLYCERALDEHYDE ACETONIDE
(GLYCERALDEHYDE (W) ACETONIDE)

=> S. L2/PREP
0 GLYCERALDEHYDE ACETONIDE/CT
4491337 PREP/RL
L3 0 (GLYCERALDEHYDE ACETONIDE/PREP)
(GLYCERALDEHYDE ACETONIDE/CT (L) PREP/RL)

=> S L2 AND PREPARATION
1561140 PREPARATION
81134 PREPARATIONS
1638018 PREPARATION
(PREPARATION OR PREPARATIONS)
2860131 PREPN
211390 PREPNS
3019348 PREPN
(PREPN OR PREPNS)
3874887 PREPARATION
(PREPARATION OR PREPN)
L4 199 L2 AND PREPARATION

=> S L4 AND (?THREONIC? W ACID)
353 ?THREONIC?
420115 W
4477714 ACID
1601200 ACIDS
4982630 ACID
(ACID OR ACIDS)
0 ?THREONIC? W ACID
(?THREONIC? (W) W (W) ACID)
L5 0 L4 AND (?THREONIC? W ACID)

=> S L4 AND (?THREONIC?)
353 ?THREONIC?
L6 2 L4 AND (?THREONIC?)

=> D IBIB ABS HITSTR 1-2

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:371247 CAPLUS Full-text
DOCUMENT NUMBER: 142:430488
TITLE: Process for the preparation of (S)-
glyceraldehyde acetonide from
L-ascorbic acid via oxidative bond cleavage and

INVENTOR(S): removal of excess H₂O₂ by catalase
 Quaedflieg, Peter Jan Leonard Mario; Lommen,
 Franciscus Alphons Marie; Vijn, Robert Jan; Boxtel Van
 Dannieel, Adrianus Franciscus Jacobus
 PATENT ASSIGNEE(S): DSM Ip Assets B.V., Neth.
 SOURCE: PCT Int. Appl., 16 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005037819	A1	20050428	WO 2004-EP11343	20041007
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2541491	A1	20050428	CA 2004-2541491	20041007
EP 1673364	A1	20060628	EP 2004-790256	20041007
EP 1673364	B1	20070822		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1863787	A	20061115	CN 2004-80029141	20041007
JP 2007507461	T	20070329	JP 2006-530134	20041007
AT 370940	T	20070915	AT 2004-790256	20041007
IN 2006DN01923	A	20070810	IN 2006-DN1923	20060407
US 2007073068	A1	20070329	US 2006-574693	20060706
PRIORITY APPLN. INFO.:			EP 2003-78130	A 20031007
			WO 2004-EP11343	W 20041007

OTHER SOURCE(S): CASREACT 142:430488

AB The invention relates to a process for the preparation of (S)- glyceraldehyde acetonide in aqueous solution from 3,4-O-isopropylidene-L-threonic acid or a salt thereof in aqueous solution, and hypochlorite in aqueous solution wherein the aqueous hypochlorite solution has a pH > 7.5 and wherein during addition of at least 0.1 molar equivalents of hypochlorite based on the amount of 3,4-O-isopropylidene-L-threonic acid, an acid solution is not simultaneously added. The invention also relates to a process according to the invention, wherein 3,4-O-isopropylidene-L-threonic acid or a salt thereof is prepared from 5,6-O-isopropylidene-L-ascorbic acid or a salt thereof in the presence of H₂O₂ and a base in a manner known per se, wherein excess H₂O₂ is optionally removed by catalase. The invention also relates to a process according to the invention, wherein 5,6-O-isopropylidene-L-ascorbic acid or a salt thereof is prepared by reacting L-ascorbic acid or a salt thereof with an acetonide forming agent, preferably in the presence of an acid catalyst.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

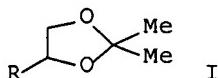
L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1985:578573 CAPLUS Full-text
 DOCUMENT NUMBER: 103:178573
 TITLE: (S)-Glyceraldehyde acetonide

INVENTOR(S): Mizuno, Yukio; Sugimoto, Keiichi
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd. , Japan
 SOURCE: Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 143973	A1	19850612	EP 1984-112807	19841024
EP 143973	B1	19880302		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 60094977	A	19850528	JP 1983-203145	19831028
JP 03067064	B	19911021		
AT 32718	T	19880315	AT 1984-112807	19841024
US 4567282	A	19860128	US 1984-665435	19841026
CA 1209580	A1	19860812	CA 1984-466360	19841026
CN 85101931	A	19870124	CN 1985-101931	19850401
CN 1014244	B	19911009		
PRIORITY APPLN. INFO.: JP 1983-203145 A 19831028				
EP 1984-112807 A 19841024				

OTHER SOURCE(S): CASREACT 103:178573
 GI



AB (S)-Glyceraldehyde acetonide (I, R = CHO, II) was prepared by treating isopropylidene-L-threonic acid (I, R = HO₂CCHOH, III) or its salts with HOCl or ClO⁻ in acid solution. Thus, III Ca salt was treated with NaOCl and HCl to give 60% I (R = CHO). II forms Schiff bases with primary amines which are treated with acid chlorides to give stereoselectively β-lactams which are useful in the preparation of antibiotics.

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	31.53	32.58
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.56	-1.56

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	139	549/464.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:57
L3	59	GLYCERALDEHYDE ADJ ACETONIDE	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:57
L4	1	L2 AND L3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:58
S1	2	ISOPROPYLIDEN\$4THREONIC AND (GLYCERALDEHYDE ADJ ACETONIDE)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:57
S2	1	HYPOCHLORITE SAME ISOPROPYLIDEN\$4THREONIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:08
S3	2	HYPOCHLORITE AND ISOPROPYLIDEN\$4THREONIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:06
S4	0	(ISOPROPYLIDENE ADJ ASCORBIC) AND ISOPROPYLIDEN\$4THREONIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07
S5	105	(ISOPROPYLIDENE ADJ ASCORBIC)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:08
S6	641171	OXIDATION	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07

EAST Search History

S7	52	S5 AND S6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07
S8	7748	ACETONIDE	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07
S9	0	S7 AND S8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07
S10	0	ISOPROPYLIDEN\$4THREONIC AND (ISOPROPYLIDENE ADJ ASCORBIC)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:08
S11	2	ISOPROPYLIDEN\$4THREONIC AND ASCORBIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:08
S12	2	S1 OR S3 OR S11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:10
S13	23285	GLYCERALDEHYDE ACETONIDE	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:10
S14	7304	S13 AND ASCORBIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:10
S15	72	S14 AND THREONIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:10
S16	3	S15 AND CATALASE	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:57